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(54) Title: METHOD OF IDENTIFYING RESPONDERS TO TREATMENT WITH INSULIN SENSITIZERS

(57) Abstract: A patient who is a responder to a therapeutic treatment for insulin resistance or for one or more diseases associated with type 2 diabetes can be identified by the method of measuring the amount of HMW adiponectin and the amount of total adiponectin or LMW adiponectin in the patient's tissue (usually plasma or serum) before the therapeutic treatment commences; then commencing the therapeutic treatment; and finally measuring the amount of HMW adiponectin and the amount of either total adiponectin or LMW adiponectin in the patient's plasma or serum one or more times after commencement of the therapeutic treatment. The patient is predicted to be a responder to the therapeutic treatment if the ratio of the amount of HMW adiponectin to the amount of total adiponectin or LMW adiponectin increases after the therapeutic treatment commences.

